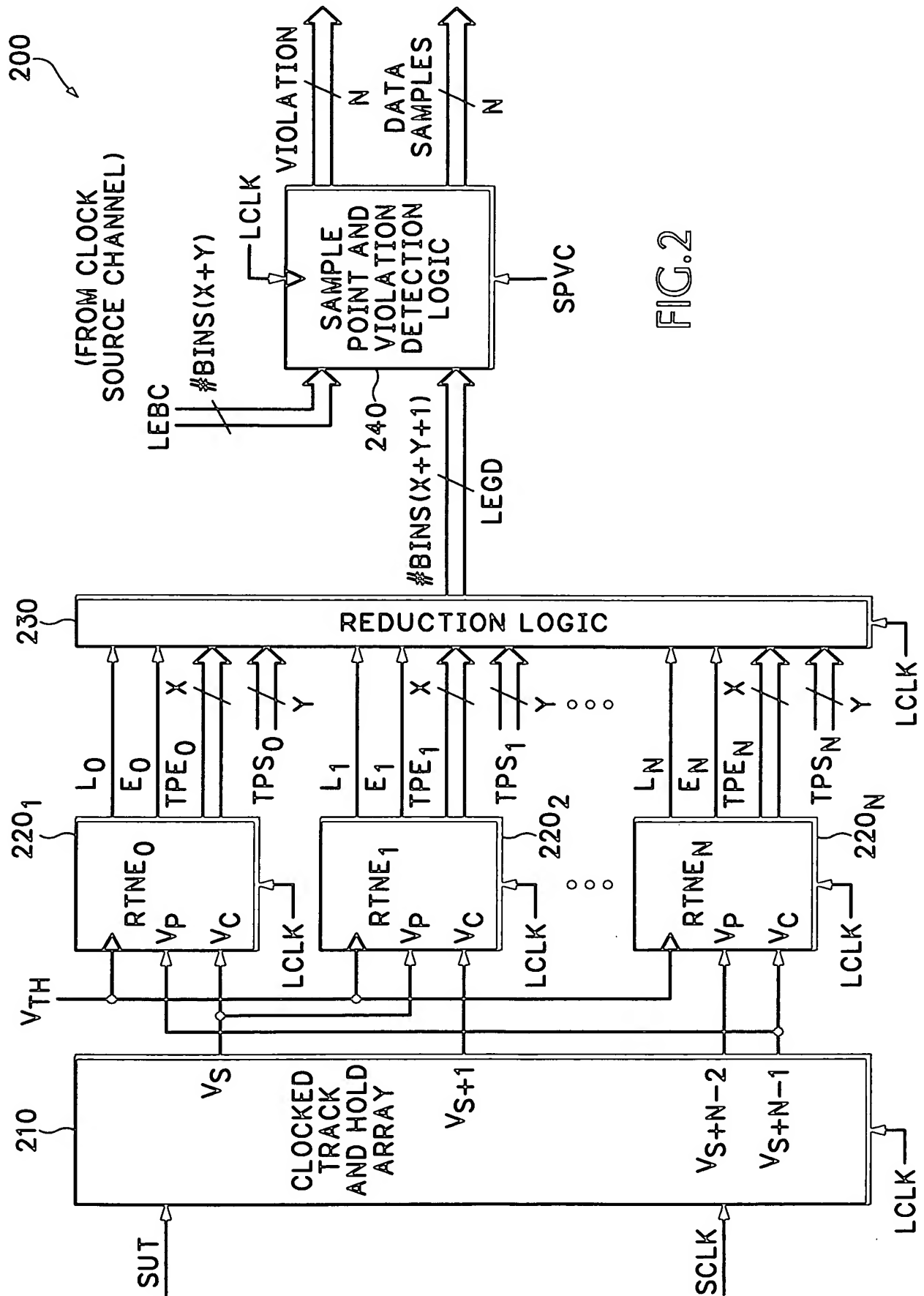


FIG. 1





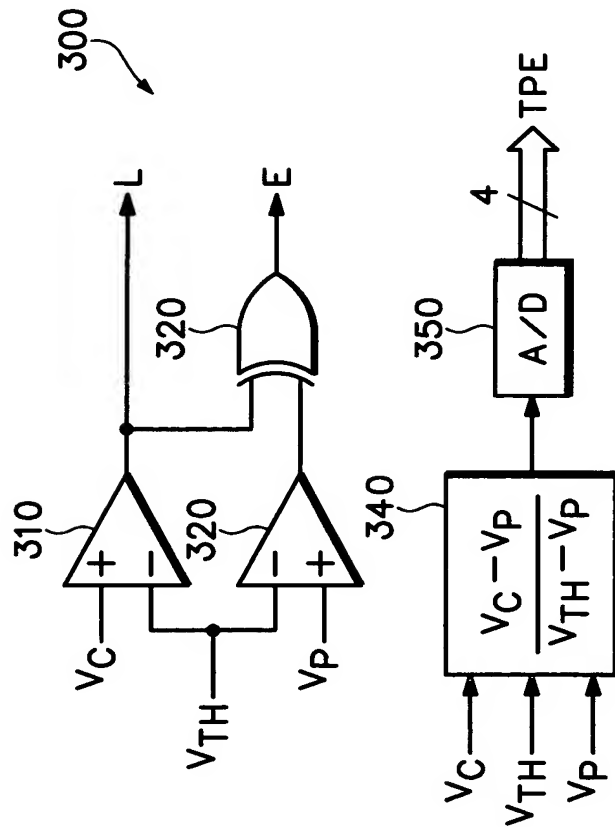
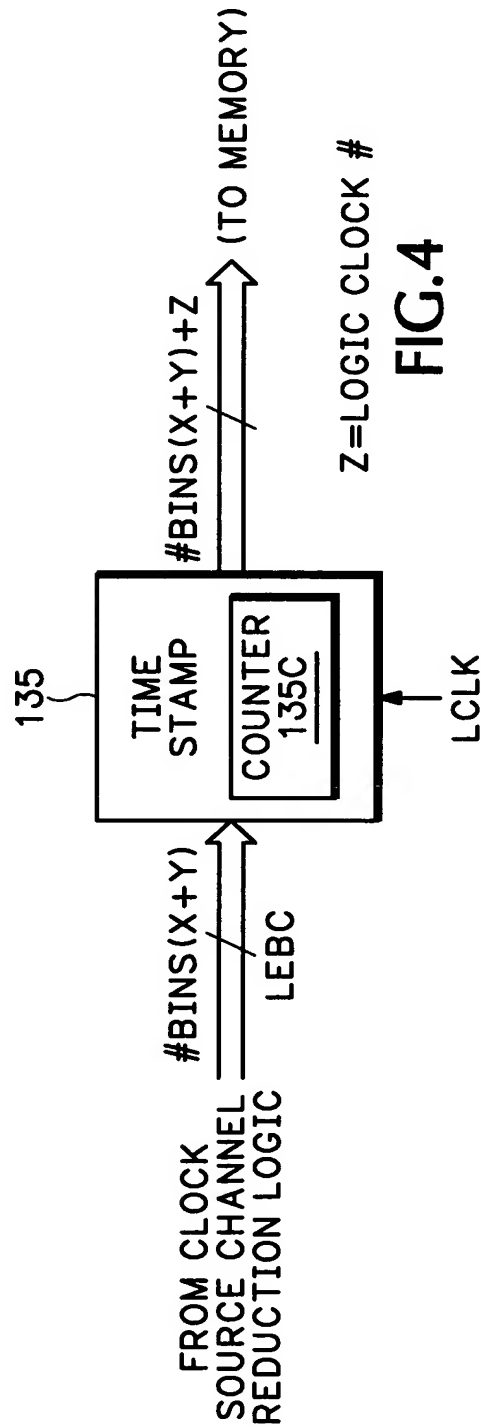


FIG. 3



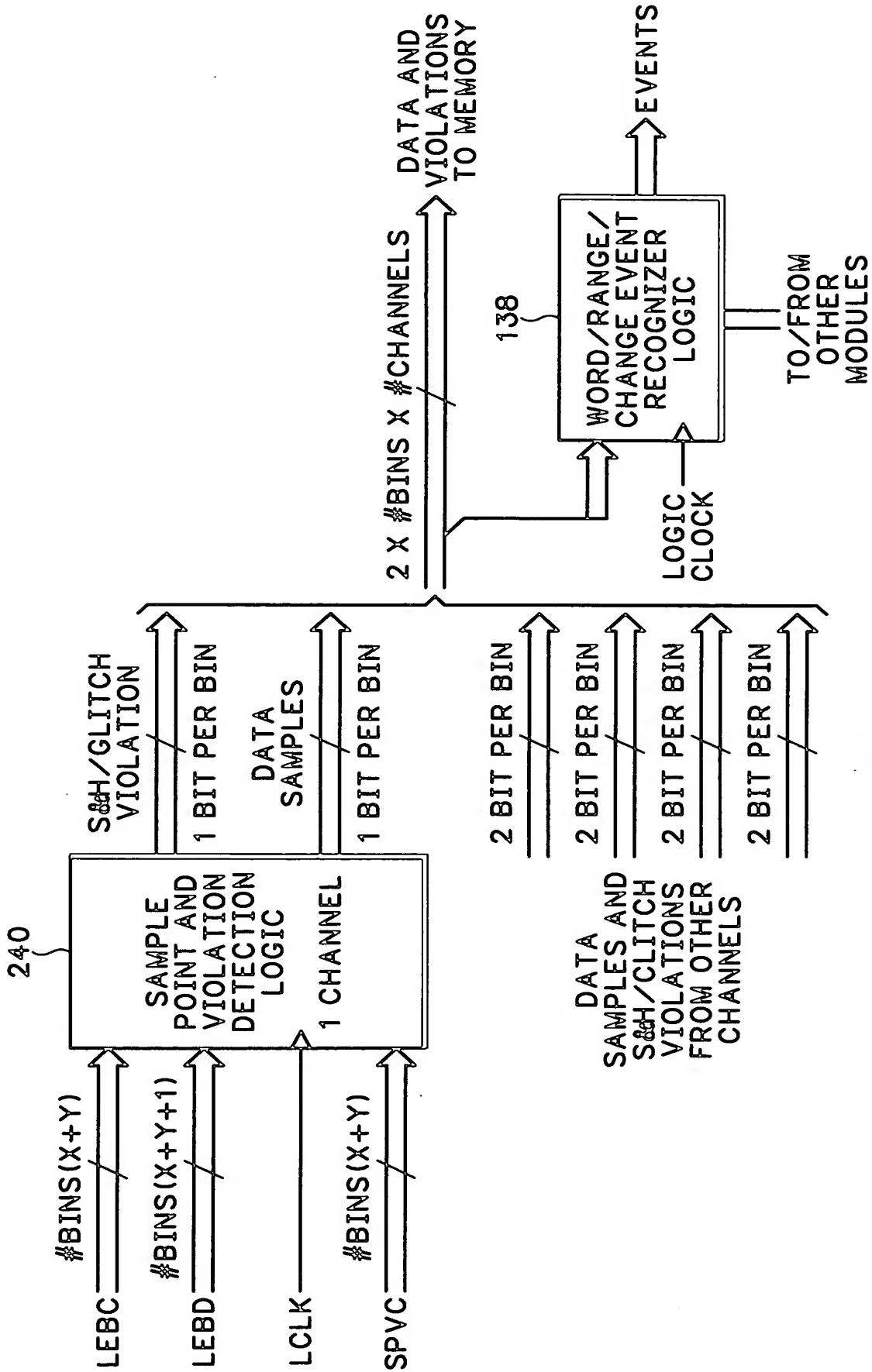
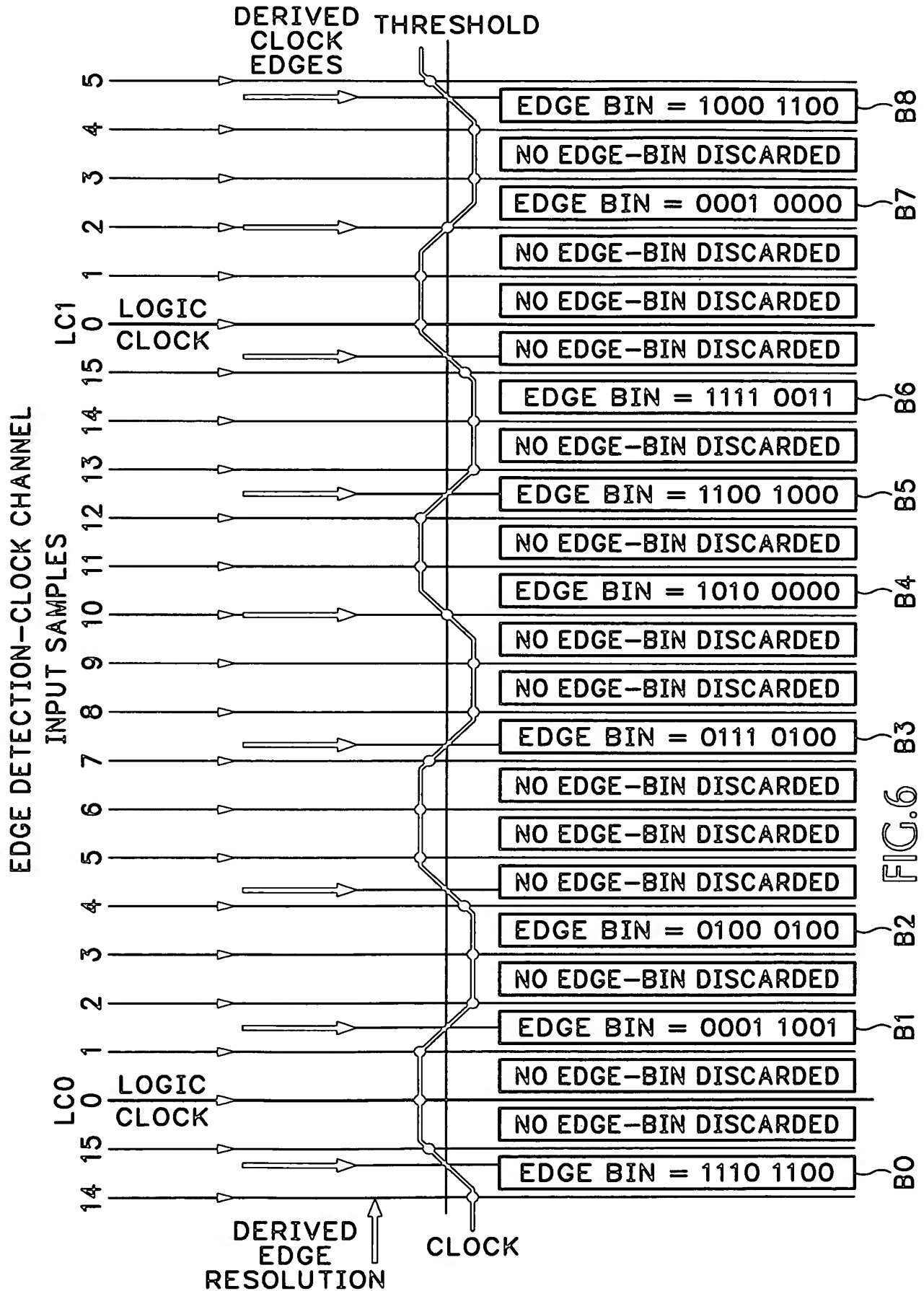


FIG. 5



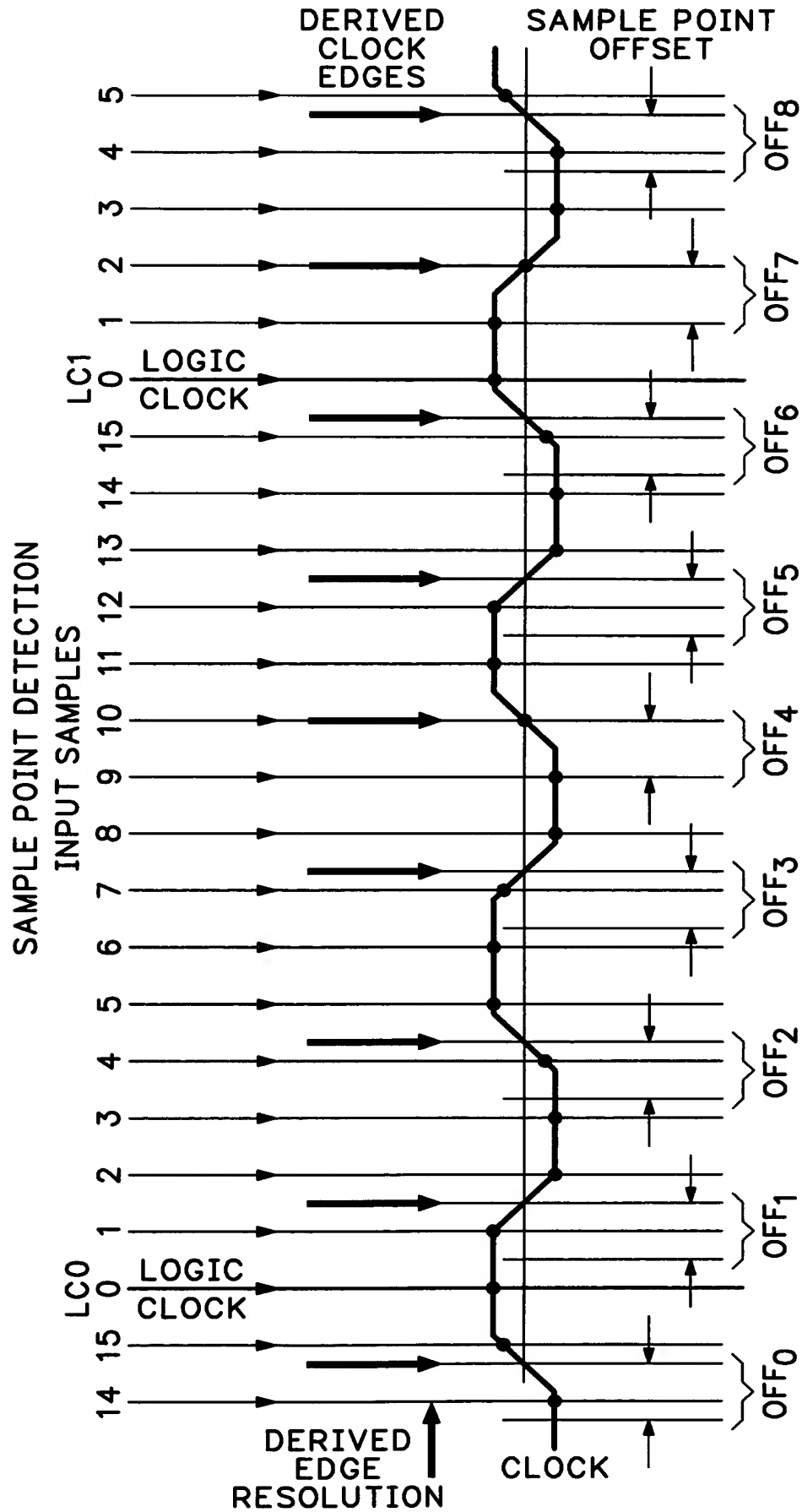
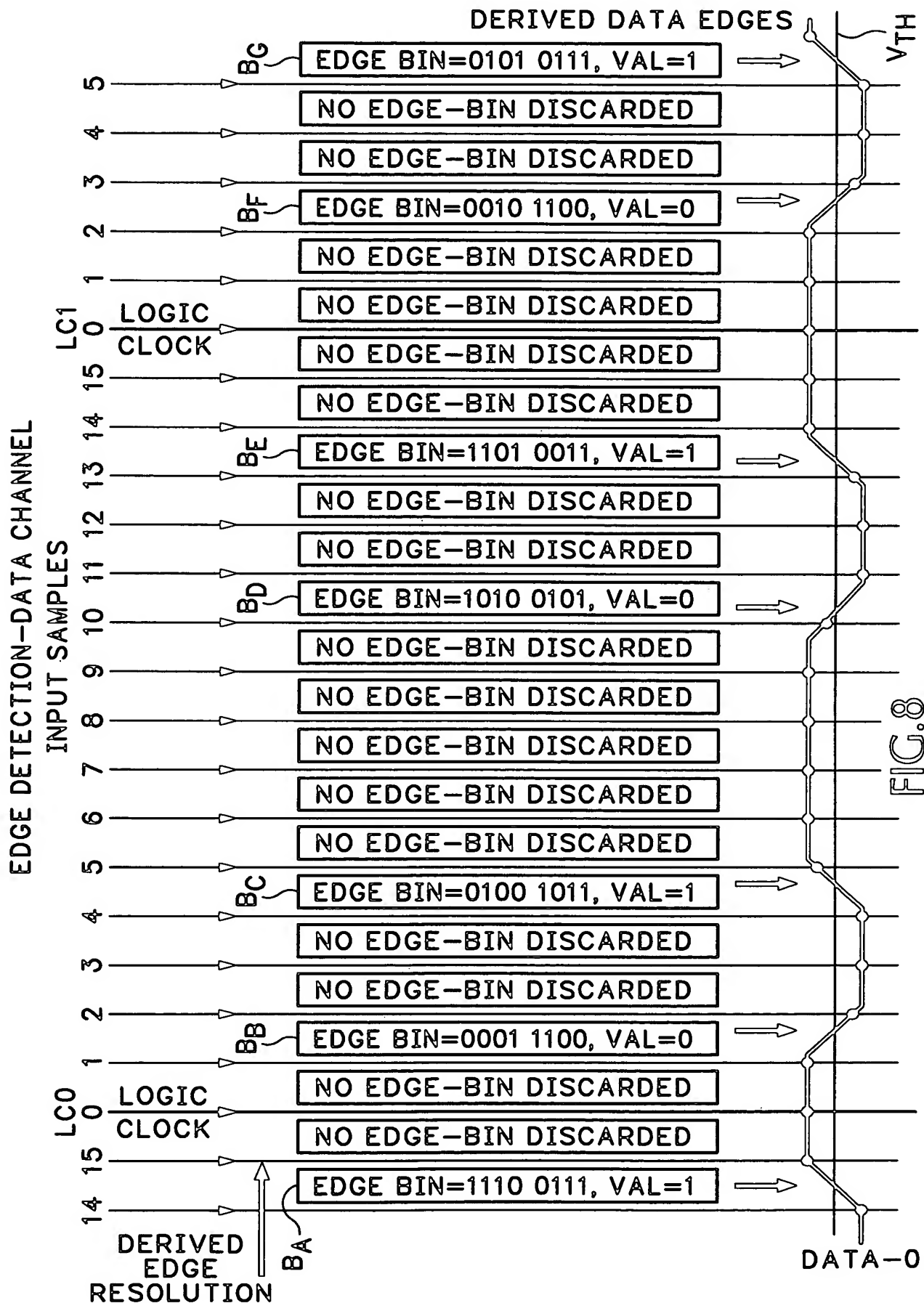


FIG.7





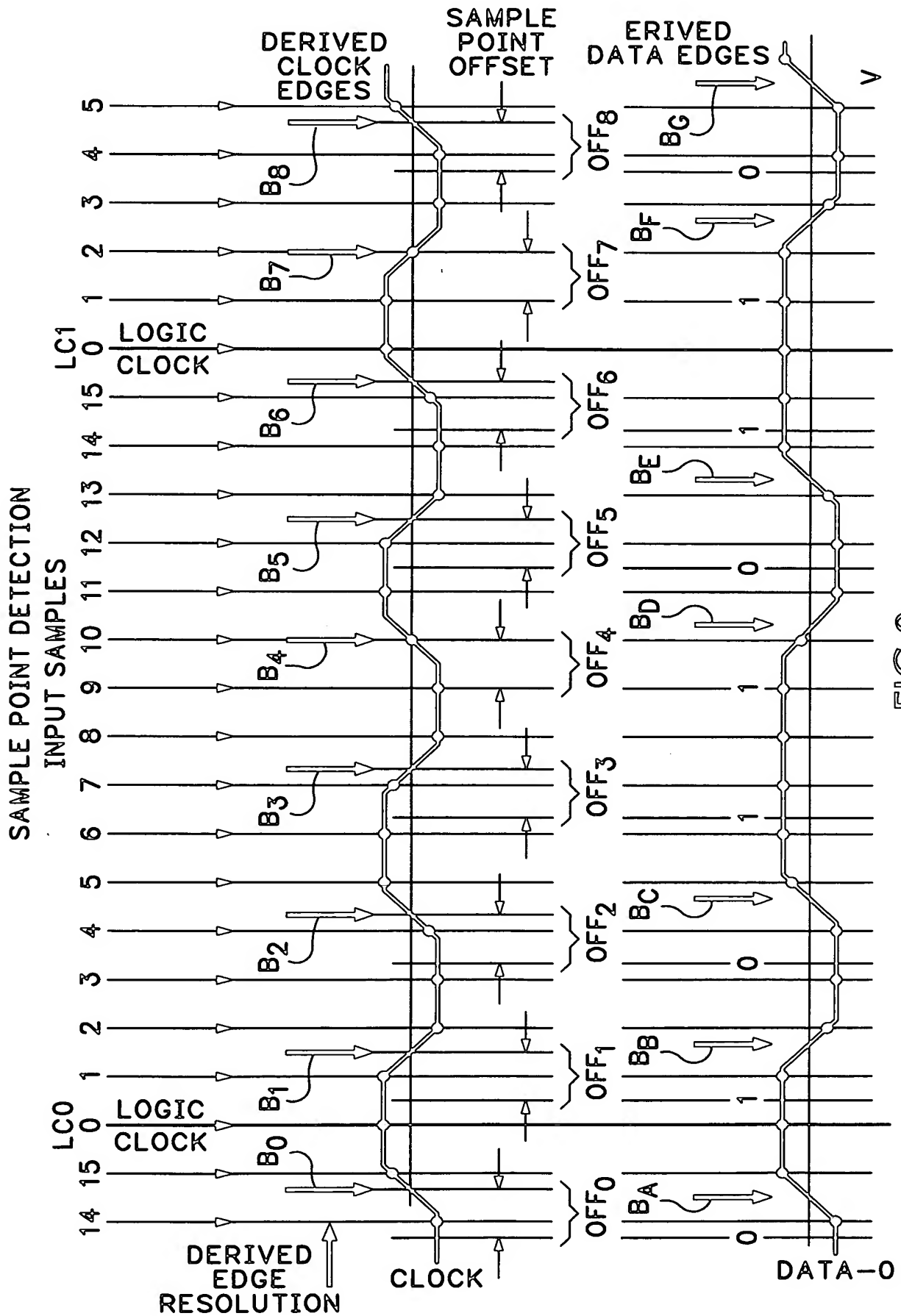


FIG. 9

## SAMPLE POINT DETECTION—ALL CHANNELS

CLOCK CHANNEL		SAMPLE POINT		DATA CHANNEL					
CLOCK#	EDGE BINS	CLOCK#	BINS (CLOCK EDGE BIN-OFFSET)	VALUE	CLOCK#	EDGE BINS	VALUE		
B0	→ 0000	1110	1100	0	→ 0000	1110	0111	1	→ BA
B1	→ 0001	0001	1001	1	→ 0001	0001	1100	0	→ BB
B2	→ 0001	0100	0100	0	→ 0001	0011	0100	1	→ BC
B3	→ 0001	0111	0100	1	→ 0001	1010	0101	0	→ BD
B4	→ 0001	1010	0000	1	→ 0001	1101	0011	1	→ BE
B5	→ 0001	1100	1000	0					
B6	→ 0001	1111	0011	1	→ 0001				
B7	→ 0001	0001	0000	1	→ 0001	0010	1100	0	→ BF
B8	→ 0001	1000	1100	0	→ 0001	0101	0111	1	→ BG

STORE

SAMPLE POINT IS 100 ps BEFORE CLOCK EDGE  
(SAMPLE POINT BIN = CLOCK EDGE BIN—0001 0000)

FIG.10